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IDENTIFIERS CEDAR Project (Imperial College); *Computer Software; *England

ABSTRACT

This bibliography cites 26 books, papers, and reports dealing with various uses of computers in engineering education; and describes several computer programs available for use in teaching aeronautical, chemical, civil, electrical and electronic, mechanical, and nuclear engineering. Each computer program entry is presented by name, author, description, subject, documents, comment, language, and contact source for obtaining the program. (CMV)

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COMPUTERS IN ENGINEERING TEACHING

by

N.J. Rushby

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<R 423>
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GRID METHODS OF PLANNING AND ORGANISING THE EDUCATIONAL PROCESS
THE AIR FORCE ENGINEERING RED BANNER ACADEMY (ORDER OF LENIN)
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<R 591>
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ON THE PROBLEM OF EDUCATING THE PROFESSIONAL STRESS ENGINEER ON
THE USE OF THE COMPUTER FOR LARGE SCALE DESIGN PROBLEMS
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IFIP NORTH HOLLAND, 1975, PP 983-988.

<R 643>
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DESCRIPTION AND ASSESSMENT OF DIFFERENT METHODS OF TEACHING
ENGINEERING STUDENTS MATHEMATICS
INT J MATHEMATICAL EDUCATION IN SCIENCE AND TECHNOLOGY (TO BE
PUBLISHED).

<R 667>
REFICE, M ET AL
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IFIP CONGRESS, STOCKHOLM, AUGUST 1974.

<R 734>
GOEL, A L
USE OF COMPUTERS IN TEACHING STATISTICS TO ENGINEERING STUDENTS
PROC CONFERENCE ON COMPUTERS IN THE UNDERGRADUATE CURRICULA
IOWA, JUNE 1970, PP 2,25-2,31.

<R 760>
STROBEHN, J
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<R 945>
CAL.77
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AND PHYSICAL SCIENCES AND ENGINEERING 1977,SURREY UNIVERSITY.
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<R 946>
CAL.75
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<R 951>
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<R 985>
SMITH, P R
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ED. POURING,A.A. AND ROGERS, D.F.

<R 1033>
SMITH,P.R.
COMPUTER ASSISTED LEARNING IN ENGINEERING
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ED. TOYE,I. AND HOOPER,R. NATIONAL DEVELOPMENT PROGRAMME.

<R 1081>
JAMES, W, ZACHAR, P,P
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<R 1083>
ERIKSSON, P
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<R 1092>
SMITH, P,R
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<R 1122>
CAVE, P R
COMPUTER MODELLING AS AN AID TO TEACHING IN AN INTERNAL COMBUSTION ENGINEERING COURSE
INTERNATIONAL JOURNAL OF MATHEMATICAL EDUCATION IN SCIENCE AND TECHNOLOGY, VOL 5, NO 3, JULY-SEPTEMBER 1974, PP 555-559.

<R 1123>
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THE USE OF COMPUTERS IN LABORATORY TEACHING WITHIN ENGINEERING DEGREE COURSES
INTERNATIONAL JOURNAL OF MATHEMATICAL EDUCATION IN SCIENCE AND TECHNOLOGY, VOL 5, NO 3, JULY-SEPTEMBER 1974, PP 577-582

<R 1124>
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INTERNATIONAL JOURNAL OF MATHEMATICAL EDUCATION IN SCIENCE AND TECHNOLOGY, VOL 5, NO 3, JULY-SEPTEMBER 1974, PP 595-599.

<R 1246>
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<R 1356>
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<R 1358>
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<R 1359>
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<R 1384>
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<R 1452>
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INTERNATIONAL JOURNAL OF MECHANICAL ENGINEERING EDUCATION, V.4, 1976. PP 25-36.

<R 1455>
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ON THE USE OF COMPUTER GRAPHICS IN THE TEACHING OF SELECTED TOPICS FROM ELECTROMAGNETIC FIELDS - EXPERIMENTS AND OBSERVATIONS.
INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION, V.10, 1972-73. PP 101-108.

<R 1456>
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INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION, V.13, 1976. PP 41-45.

<R 1482>
BUTLER, P. AND MARTIN, I.
THE USE OF A GRAPHICS TERMINAL AS AN AID TO TEACHING FIELDS.
INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION, V.15, 1978. PP 173-177

AERONAUTICAL ENGINEERING

<R 54>
NAME: OSSY ESP14
AUTHOR:
DESCRTN: RESPONSE OF OSCILLATORY SYSTEM WITH ONE DEGREE OF FREEDOM
SUBJECT: AERONAUTICAL ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.P.R.SMITH,FACULTY OF ENGINEERING,CAT UNIT,QUEEN MARY COLLEGE,MILE END RD.,LONDON,E1 TEL 01 980 4811

<R 55>
NAME: AIRSTB ESP22
AUTHOR:
DESCRTN: AIRCRAFT STABILITY
SUBJECT: AERONAUTICAL ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.P.R.SMITH,FACULTY OF ENGINEERING,CAT UNIT,QUEEN MARY COLLEGE,MILE END RD.,LONDON,E1 TEL 01 980 4811

CHEMICAL ENGINEERING

<R 183>
NAME: PREDPR RSP39
AUTHOR:
DESCRTN: RANDOM INFLUENCES ON POPULATION
SUBJECT: ENVIRONMENTAL CHEMISTRY AND CHEMICAL ENGINEERING
DEGREE LEVEL
DOCS:
COMMENT:
LANG: BASIC
CONTACT: J.J.MATHEWS,DEPT OF APPLIED SCIENCE,THE QUEEN'S DRIVE,
EXETER,EX4 4QJ TEL 0392 77911

<R 184>
NAME: REACT RSP54
AUTHOR:
DESCRTN: SIMULATION OF AN EXTERNALLY COOLED TUBULAR FLOW REACTOR
WITH GAS PHASE EXOTHERMIC REACTION
SUBJECT: ENVIRONMENTAL CHEMISTRY AND CHEMICAL ENGINEERING
DEGREE LEVEL
DOCS:
COMMENT:
LANG: BASIC
CONTACT: J.J.MATHEWS,DEPT OF APPLIED SCIENCE,THE QUEEN'S DRIVE,
EXETER,EX4 4QJ TEL 0392 77911

CIVIL ENGINEERING

<R 189>
NAME:
AUTHOR:
DESCRTN: LIBRARY OF PROGRAMS IN BIOLOGY,CHEMISTRY,CIVIL ENGINEERING HOTEL AND CATERING MANAGEMENT AND TOURISM,LINGUISTICS AND REGIONAL STUDIES,MATHEMATICS,PHYSICS,PSYCHOLOGY,SOCIOLOGY AND STATISTICS
SUBJCT: VARIOUS.AS ABOVE
DOCS:
COMMENT: RUN BY COMPUTER CENTER AND CONCERNED WITH PROVIDING A UNIVERSITY WIDE CAL SERVICE,BUILDING ON TWO EXISTING NDPCAL FUNDED PROJECTS,COMPUTATIONAL PHYSICS TEACHING LABORATORY AND COMPUTERS IN THE UNDERGRADUATE SCIENCE CURRICULUM
LANG: BASIC AND FORTRAN
CONTACT: T.F.GOODWIN,HEAD OF COMPUTING UNIT,UNIVERSITY OF SURREY, GUILDFORD,SURREY,GU2 5XH TEL 0483 71281

<R 328>
NAME: PROJECT RESOURCE ALLOCATION GAME
AUTHOR: F.C.HARRIS
DESCRTN: SIMULATION OF SEWERAGE WORKS CONSTRUCTION PROGRAM IN NETWORK FORM.PLAYER ALLOCATES LABOUR RESOURCES TO TRY AND KEEP WITHIN TENDER PROGRAM AND COSTS AND PLOTS MANUALLY ON A BAR CHART THE CURRENT STATE OF PROGRESS AFTER EACH PLAY.ACTUAL PROGRESS OF EACH ACTIVITY IS VARIED RANDOMLY
SUBJCT: BUSINESS MANAGEMENT UNDERGRADUATE
DOCS: SOME+TEST DATA+SOME SUPPORT
COMMENT:
LANG: FORTRAN
CONTACT: F.C.HARRIS.DEPT OF CIVIL ENG.,UNIVERSITY OF TECHNOLOGY, LOUGHBOROUGH,LEICESTER,TEL 0533 63171

<R 361>
NAME: MOTORWAY PLANNING GAME
AUTHOR: F C HARRIS + J EVANS
DESCRTN: CONSTRUCTION OF MOTORWAY IS SIMULATED USING LINE OF BALANCE TECHNIQUES
SUBJCT: ENGINEERING
DOCS: SOME+SUPPORT+TEST DATA
COMMENT: CHARGE VARIABLE
LANG: FORTRAN
CONTACT: F.C.HARRIS.DEPT OF CIVIL ENG.,UNIVERSITY OF TECHNOLOGY, LOUGHBOROUGH,LEICESTER,TEL 0533 63171

<R 362>
NAME: SIMPLIFIED NETWORK ANALYSIS
AUTHOR: J.P.SNELLING
DESCRTN: GROUP OF SELF CONTAINED PROGRAMS,DESIGNED TO INTRODUCE THE USER TO NETWORK ANALYSIS
SUBJCT: ENGINEERING
DOCS: SOME+TEST DATA+SUPPORT
COMMENT: CHARGE VARIABLE
LANG: FORTRAN
CONTACT: F.C.HARRIS.DEPT OF CIVIL ENG.,UNIVERSITY OF TECHNOLOGY, LOUGHBOROUGH,LEICESTER,TEL 0533 63171

<R 363>
NAME: CONTRACTOR'S MANAGEMENT GAME
AUTHOR: R.MCCAFFER
DESCRTN: SIMULATION OF CONTRACTOR'S BIDDING
SUBJECT: ENGINEERING
DOCS: SOME+SUPPORT+TEST DATA
COMMENT: CHARGE VARIABLE
LANG: FORTRAN
CONTACT: F.C.HARRIS.DEPT OF CIVIL ENG.,UNIVERSITY OF TECHNOLOGY,
LOUGHBOROUGH,LEICESTER,TEL 0533 63171

<R 1>
NAME: CONTRL
AUTHOR:
DESCRTN: PROVIDES DEMONSTRATION AND EXERCISING FACILITIES FOR FUNDAMENTAL CONTROL ENGINEERING CALCULATIONS, AND RESPONSES ARE DYNAMICALLY DEMONSTRATED ON A GRAPHICS TERMINAL.
SUBJCT: ELECTRICAL AND ELECTRONIC ENGINEERING, UNDERGRADUATE LEVEL
DOCS:
COMMENT:
LANG: BASIC, AND USE OF A TEKTRONIX
CONTACT: MR C.A. SPARKS, DEPT ELECTRICAL AND ELECTRONIC ENGINEERING, ROYAL MILITARY COLLEGE OF SCIENCE, SHRIVENHAM, SWINDON, WILTS. TLF #793 782551

<R 2>
NAME: TSP1
AUTHOR:
DESCRTN: FIRST ORDER CONTROL SYSTEM RESPONSE
SUBJCT: ELECTRICAL AND ELECTRONIC ENGINEERING, UNDERGRADUATE LEVEL
DOCS:
COMMENT:
LANG: BASIC
CONTACT: MR C.A. SPARKS, DEPT ELECTRICAL AND ELECTRONIC ENGINEERING, ROYAL MILITARY COLLEGE OF SCIENCE, SHRIVENHAM, SWINDON, WILTS. TLF #793 782551

<R 3>
NAME: TSP2
AUTHOR:
DESCRTN: SECOND ORDER OPEN LOOP AND TRANSIENT RESPONSES
SUBJCT: ELECTRICAL AND ELECTRONIC ENGINEERING, UNDERGRADUATE LEVEL
DOCS:
COMMENT:
LANG: BASIC
CONTACT: MR C.A. SPARKS, DEPT ELECTRICAL AND ELECTRONIC ENGINEERING, ROYAL MILITARY COLLEGE OF SCIENCE, SHRIVENHAM, SWINDON, WILTS. TLF #793 782551

<R 4>
NAME: TSP3
AUTHOR:
DESCRTN: SECOND ORDER CLOSED LOOP RESPONSES
SUBJCT: ELECTRICAL AND ELECTRONIC ENGINEERING, UNDERGRADUATE LEVEL
DOCS:
COMMENT:
LANG: BASIC
CONTACT: MR C.A. SPARKS, DEPT ELECTRICAL AND ELECTRONIC ENGINEERING, ROYAL MILITARY COLLEGE OF SCIENCE, SHRIVENHAM, SWINDON, WILTS. TLF #793 782551

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<6      6>
NAME:       TOP4
AUTHOR:
DESCRIPN:   OFF OF SECOND ORDER RESPONSE
SUBJECT:    ELECTRICAL AND ELECTRONIC ENGINEERING, UNDERGRADUATE LEVEL
DOCS:
COMMENT:
LANG:       BASIC
CONTACT:    MR C.A. SPARKS, DEPT ELECTRICAL AND ELECTRONIC ENGINEERING,
            ROYAL MILITARY COLLEGE OF SCIENCE, SHRIVENHAM,
            SWINDON, WILTS. TLF 0793 782551

<6      6>
NAME:       TOP5
AUTHOR:
DESCRIPN:   QUADRATIC LAG NYQUIST DIAGRAM
SUBJECT:    ELECTRICAL AND ELECTRONIC ENGINEERING, UNDERGRADUATE LEVEL
DOCS:
COMMENT:
LANG:       BASIC
CONTACT:    MR C.A. SPARKS, DEPT ELECTRICAL AND ELECTRONIC ENGINEERING,
            ROYAL MILITARY COLLEGE OF SCIENCE, SHRIVENHAM,
            SWINDON, WILTS. TLF 0793 782551

<6      7>
NAME:       TOP6
AUTHOR:
DESCRIPN:   NYQUIST AND BODE DIAGRAM OF HIGHER ORDER SYSTEMS
SUBJECT:    ELECTRICAL AND ELECTRONIC ENGINEERING, UNDERGRADUATE LEVEL
DOCS:
COMMENT:
LANG:       BASIC
CONTACT:    MR C.A. SPARKS, DEPT ELECTRICAL AND ELECTRONIC ENGINEERING,
            ROYAL MILITARY COLLEGE OF SCIENCE, SHRIVENHAM,
            SWINDON, WILTS. TLF 0793 782551

<6      8>
NAME:       POWIT
AUTHOR:
DESCRIPN:   PROVIDES FACILITIES FOR PLOTTING IMPEDANCES AND
            ADMITTANCES ON A SMITH CHART, FINDING THE DISTANCES
            BETWEEN POINTS AS WELL AS DISTANCES ALONG THE LINE
            TO THE INTERSECTION WITH ANY CIRCLE ON THE SMITH CHART.
            SOLVING STUB MATCHING PROBLEMS, CALCULATING VSWR AND
            REFLECTION COEFFICIENTS
SUBJECT:    ELECTRICAL AND ELECTRONIC ENGINEERING. UNDERGRADUATE LEVEL
DOCS:
COMMENT:
LANG:       BASIC
CONTACT:    MR C.A. SPARKS, DEPT ELECTRICAL AND ELECTRONIC ENGINEERING,
            ROYAL MILITARY COLLEGE OF SCIENCE, SHRIVENHAM,
            SWINDON, WILTS. TLF 0793 782551
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<R 9>
NAME: PFILT
AUTHOR:
DESCRTN: PROVIDES FACILITY FOR TABULATING AND PLOTTING INSERTION LOSS AND PHASE OF FILTERS UP TO 9TH ORDER WITH ONE OR TWO REACTANCES IN EACH ARM OF THE LADDER NETWORK WHEN TERMINATED BY ARBITRARY RESISTANCES. WILL WORK WITH ACTUAL AND WITH NORMALISED COMPONENT VALUES ON A LINEAR OR LOGARITHMIC FREQUENCY SCALE. ALSO FINDS ZEROS OF INSERTION LOSS AND TRANSFER FUNCTION AND TABULATES AND PLOTS INSERTION LOSS AND PHASE FROM GIVEN ZEROS AND POLES OF THE FUNCTIONS.
SUBJECT: ELECTRICAL AND ELECTRONIC ENGINEERING, UNDERGRADUATE LEVEL
DOCS:
COMMENT:
LANG: BASIC
CONTACT: MR C.A. SPARKES, DEPT ELECTRICAL AND ELECTRONIC ENGINEERING, ROYAL MILITARY COLLEGE OF SCIENCE, SHRIVENHAM, SWINDON, WILTS. TLF 0793 782551

<R 10>
NAME: RTLOC
AUTHOR:
DESCRTN: PROVIDES THE FACILITY FOR STUDENTS TO CONSTRUCT A ROOT LOCUS DIAGRAM BY FOLLOWING A SET OF RULES AND USING THE CURSOR ON THE GRAPHICS TERMINAL TO INVESTIGATE ESTIMATED POINTS ON THE LOCUS WHICH OCCUR OFF THE REAL AXIS. THE EQUIVALENT TRANSIENT RESPONSE TO A STEP INPUT CAN BE DRAWN FOR ANY POINT ON THE LOCUS.
SUBJECT: ELECTRICAL AND ELECTRONIC ENGINEERING, UNDERGRADUATE LEVEL
DOCS:
COMMENT:
LANG: BASIC TEKTRONIX
CONTACT: MR C.A. SPARKES, DEPT ELECTRICAL AND ELECTRONIC ENGINEERING, ROYAL MILITARY COLLEGE OF SCIENCE, SHRIVENHAM, SWINDON, WILTS. TLF 0793 782551

<R 11>
NAME: LOGIC
AUTHOR:
DESCRTN: SIMULATES LOGIC CIRCUITS USING STANDARD LOGIC GATES, JK'S, 8BIT REGISTERS AND A 1 BIT ADDER. DISPLAYS WAVEFORMS OR TRUTH TABLES AND ALLOWS CHANGES OF CIRCUIT INPUTS IN REAL TIME. PACKAGE IS ALSO SUPPORTED BY ROUTINES TO PLOT 3, 4 OR 5 VARIABLES KARNAUGH MAPS.
SUBJECT: ELECTRICAL AND ELECTRONIC ENGINEERING, UNDERGRADUATE LEVEL
DOCS:
COMMENT:
LANG: BASIC
CONTACT: MR C.A. SPARKES, DEPT ELECTRICAL AND ELECTRONIC ENGINEERING, ROYAL MILITARY COLLEGE OF SCIENCE, SHRIVENHAM, SWINDON, WILTS. TLF 0793 782551

<R 12>
NAME: TRANS
AUTHOR:
DESCRTN: PLOTS THE TRANSIENT RESPONSE OF A SYSTEM. VARIABLES CAN BE DECLARED AS THE COEFFICIENTS OF THE DIFFERENTIAL EQUATION OR AS TIME CONSTANTS OF THE OPEN LOOP TRANSFER FUNCTION OF THE SYSTEM.
SUBJECT: ELECTRICAL AND ELECTRONIC ENGINEERING, UNDERGRADUATE LEVEL
DOCS:
COMMENT:
LANG: BASIC
CONTACT: MR C.A. SPARKES, DEPT ELECTRICAL AND ELECTRONIC ENGINEERING, ROYAL MILITARY COLLEGE OF SCIENCE, SHRIVENHAM, SWINDON, WILTS. TLF 0793 782551

<R 13>
NAME: FIELD
AUTHOR:
DESCRTN: FIELD STRENGTH PREDICTION. THIS PROGRAM EVALUATES THE POWER SUM OF FIELD STRENGTHS RECEIVED AT A SPECIFIED LOCATION DUE TO UNWANTED INTERFERING TRANSMISSIONS RELATIVE TO THE FIELD STRENGTH DUE TO THE WANTED TRANSMISSION.IN DETERMINING THE ASSOCIATION FIELD STRENGTH PROTECTION RATIO,THE INVERSE DISTANCE FIELD LAW IS ASSUMED.
SUBJECT: ELECTRICAL AND ELECTRONIC ENGINEERING, UNDERGRADUATE LEVEL
DOCS:
COMMENT: UNDER DEVELOPMENT
LANG: BASIC
CONTACT: MR C.A. SPARKES, DEPT ELECTRICAL AND ELECTRONIC ENGINEERING, ROYAL MILITARY COLLEGE OF SCIENCE, SHRIVENHAM, SWINDON, WILTS. TLF 0793 782551

<R 14>
NAME: RADAR
AUTHOR:
DESCRTN: MODELS A RADAR SYSTEM IN TERMS OF COMMONLY USED PARAMETERS IT ENABLES THE STUDENT TO DESIGN THE SYSTEM TO MATCH SPECIFIED DESIGN CRITERIA.
SUBJECT: ELECTRICAL AND ELECTRONIC ENGINEERING, UNDERGRADUATE LEVEL
DOCS:
COMMENT: UNDER DEVELOPMENT
LANG: BASIC
CONTACT: MR C.A. SPARKES, DEPT ELECTRICAL AND ELECTRONIC ENGINEERING, ROYAL MILITARY COLLEGE OF SCIENCE, SHRIVENHAM, SWINDON, WILTS. TLF 0793 782551

<R 56>
NAME: SDS ESP06
AUTHOR:
DESCRTN: NON-LINEAR SAMPLED DATA CONTROL SYSTEM
SUBJECT: ELECTRICAL ELECTRONIC ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.P.R.SMITH,FACULTY OF ENG.,CAT UNIT,QUEEN MARY COLLEGE,MILE END RD.,LONDON,E1 TEL 01 980 4811

<R 57>
NAME: ELS ESP57
AUTHOR:
DESCRTN: ELECTRONS MOVING IN AN ELECTRIC FIELD
SUBJECT: ELECTRICAL ELECTRONIC ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.P.R.SMITH,FACULTY OF ENG.,CAT UNIT,QUEEN MARY COLLEGE,MILE END RD.,LONDON,E1 TEL 01 980 4811

<R 58>
NAME: PDPTC ESP58
AUTHOR:
DESCRTN: FREQUENCY RESPONSE OF A TUNED CIRCUIT
SUBJECT: ELECTRICAL AND ELECTRONIC ENGINEERING,DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.P.R.SMITH,FACULTY OF ENG.,CAT UNIT,QUEEN MARY COLLEGE,MILE END RD.,LONDON,E1 TEL 01 980 4811

<R 71>
NAME: ANTENNA ESP05
AUTHOR:
DESCRTN: LINEAR PHASED ARRAY ANTENNA
SUBJECT: ELECTRIC ELECTRONIC ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.O.DAVIES,DEPT OF ELECTRONIC AND ELECTRICAL ENGINEERING, UNIVERSITY COLLEGE,GOWER ST.,LONDON WC1E 6BT TEL 01 387 7050

<R 72>
NAME: COMSYS ESP11
AUTHOR:
DESCRTN: COMMUNICATION SYSTEM SIMULATION
SUBJECT: ELECTRIC ELECTRONIC ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.O.DAVIES,DEPT OF ELECTRONIC AND ELECTRICAL ENGINEERING, UNIVERSITY COLLEGE,GOWER ST.,LONDON WC1E 6BT TEL 01 387 7050

<R 73>
NAME: LOGIC ESP12
AUTHOR:
DESCRTN: COMPUTER GENERATION OF TEST PATTERNS FOR COMBINATIONAL LOGIC SYSTEMS
SUBJECT: ELECTRIC ELECTRONIC ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.O.DAVIES,DEPT OF ELECTRONIC AND ELECTRICAL ENGINEERING, UNIVERSITY COLLEGE,GOWER ST.,LONDON WC1E 6BT TEL 01 387 7050

<R 74>
NAME: TRAN ESP35
AUTHOR:
DESCRTN: TRANSMISSION LINES
SUBJECT: ELECTRICAL ELECTRONIC ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.O.DAVIES,DEPT OF ELECTRONIC AND ELECTRICAL ENGINEERING,
UNIVERSITY COLLEGE,GOWER ST.,LONDON WC1E 6BT TEL 01 387 7050

<R 75>
NAME: DSLE ESP36
AUTHOR:
DESCRTN: DIGITAL CIRCUIT SIMULATION
SUBJECT: ELECTRIC ELECTRONIC ENGINEERING
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.O.DAVIES,DEPT OF ELECTRONIC AND ELECTRICAL ENGINEERING,
UNIVERSITY COLLEGE,GOWER ST.,LONDON WC1E 6BT TEL 01 387 7050

<R 89>
NAME: PEEP2 ESP60
AUTHOR:
DESCRTN: IMPEDANCE AND COMPLEX NUMBER CALCULATIONS
SUBJECT: ELECTRIC ELECTRONIC ENG. DEGREE LEVEL
DOCS:
COMMENT:
LANG: FOCAL
CONTACT: S.BROADHURST,SCHOOL OF ELECTRICAL ENGINEERING,
PLYMOUTH POLYTECHNIC,PLYMOUTH,PL4 8AA TEL 0752 21312

<R 90>
NAME: PEEP3 ESP61
AUTHOR:
DESCRTN: NODAL ANALYSIS
SUBJECT: ELECTRIC ELECTRONIC ENG. DEGREE LEVEL
DOCS:
COMMENT:
LANG: FOCAL
CONTACT: S.BROADHURST,SCHOOL OF ELECTRICAL ENGINEERING,
PLYMOUTH POLYTECHNIC,PLYMOUTH,PL4 8AA TEL 0752 21312

<R 91>
NAME: PEEP31 ESP62
AUTHOR:
DESCRTN: HARMONIC ANALYSIS1
SUBJECT: ELECTRIC ELECTRONIC ENG.DEGREE LEVEL
DOCS:
COMMENT:
LANG: FOCAL
CONTACT: S.BROADHURST,SCHOOL OF ELECTRICAL ENGINEERING,
PLYMOUTH POLYTECHNIC,PLYMOUTH,PL4 8AA TEL 0752 21312

<R 92>
NAME: PEEP33 ESP63
AUTHOR:
DESCRTN: HARMONIC ANALYSIS2
SUBJECT: ELECTRIC ELECTRONIC ENG.DEGREE LEVEL
DOCS:
COMMENT:
LANG: FOCAL
CONTACT: S.BROADHURST,SCHOOL OF ELECTRICAL ENGINEERING,
PLYMOUTH POLYTECHNIC,PLYMOUTH,PL4 8AA TEL 0752 21312

<R 93>
NAME: AC1 ESP16
AUTHOR:
DESCRTN: IMPEDANCE AND COMPLEX NUMBER CALCULATIONS.CIRCUIT
ANALYSIS
SUBJECT: ELECTRIC ELECTRONIC ENG. DEGREE LEVEL
DOCS:
COMMENT:
LANG: BASIC AND FORTRAN 4
CONTACT: P.LAWTON,SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING,
LEICESTER POLYTECHNIC,P.O.BOX 143,LEICESTER TEL 0533 50181

<R 94>
NAME: TRALIN ESP18
AUTHOR:
CRTN: BASIC TRANSMISSION LINE ANALYSIS
SUBJECT: ELECTRIC ELECTRONIC ENGINEERING
DOCS:
COMMENT:
LANG: BASIC
CONTACT: P.LAWTON,SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING,
LEICESTER POLYTECHNIC,P.O.BOX 143,LEICESTER TEL 0533 50181

<R 95>
NAME: FEQRS ESP24
AUTHOR:
DESCRTN: FREQUENCY RESPONSE OF OPEN AND CLOSED LOOP SYSTEMS
SUBJECT: ELECTRIC ELECTRONIC ENGINEERING
DOCS:
COMMENT: USES TEKTRONIX 4010 AND CALCOMP AND GINO ROUTINES
LANG: FORTRAN 4
CONTACT: P.LAWTON,SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING,
LEICESTER POLYTECHNIC,P.O.BOX 143,LEICESTER TEL 0533 50181

<R 96>
NAME: RLOCI ESP32
AUTHOR:
DESCRTN: ROOT LOCI(S PLANE)
SUBJECT: ELECTRICAL AND ELECTRONIC ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
NG: FORTRAN 4
CONTACT: P.LAWTON,SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING,
LEICESTER POLYTECHNIC,P.O.BOX 143,LEICESTER TEL 0533 50181

<R 97>
NAME: TRANS ESP40
AUTHOR:
DESCRTN: TRANSIENT RESPONSE OF A LINEAR CONTROL SYSTEM FROM ITS POLE ZERO DESCRIPTION
SUBJECT: ELECTRICAL AND ELECTRONIC ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: BASIC
CONTACT: J.J.MATHEWS,DEPT OF APPLIED SCIENCE,THE QUEEN'S DRIVE, EXETER,EX4 4QJ TEL 0392 77911

<R 98>
NAME: GATES ESP48
AUTHOR:
DESCRTN: ELEMENTARY LOGIC GATE SIMULATOR FOR FLIP FLOPS
SUBJECT: ELECTRICAL AND ELECTRONIC ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: BASIC
CONTACT: J.J.MATHEWS,DEPT OF APPLIED SCIENCE,THE QUEEN'S DRIVE, EXETER,EX4 4QJ TEL 0392 77911

<R 102>
NAME: COULOM ESP66
AUTHOR:
ESCRTN: EXPLORATIONS IN AN ELECTRIC FIELD OF A BODY MODELLED AS A SET OF FIXED POINT CHARGES
SUBJECT: ENGINEERING SCIENCE DEGREE LEVEL
DOCS:
COMMENT:
LANG: BASIC
CONTACT: J.J.MATHEWS,DEPT OF APPLIED SCIENCE,THE QUEEN'S DRIVE, EXETER,EX4 4QJ TEL 0392 77911

<R 303>
NAME: SAFARI
AUTHOR:
DESCRTN: SIMULATION AND FAULT ANALYSIS FOR RADIONICS INSTRUCTION= SAFARI.AN INSTRUCTIONAL PACKAGE IN FAULT FINDING AND DIAGNOSIS ON ELECTRONIC EQUIPMENT.IT COMPRISES AN INTERPRETER AND A NUMBER OF FILES CONTAINING A SIMPLE LIST OF INSTRUCTIONAL MATERIAL.THE PACKAGE APPEARS TO THE STUDENT AS A SIMULATION OF REAL EQUIPMENT.MATERIALS ARE SPECIFIC TO PLESSY ARI AIRFIELD RADAR,BUT WORK IS ALREADY UNDERWAY TO SIMULATE OTHER EQUIPMENT.
SUBJECT: RADIONICS INSTRUCTION,TECHNICIAN TRAINING,ELECTRONIC ENGINEERING
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: SQN LDR G.R.PARKER,RAF LOCKING,WESTON SUPER MARE.AVON

<R 376>
NAME: B00048 ROOT LOC1 PLOTTING
AUTHOR: B.E.BARKER
DESCRTN: GRAPHS ROOTS
SUBJECT: ELECTRICAL AND ELECTRONIC ENGINEERING
DOCS: SOME AND STUDENT NOTES
COMMENT:
LANG: FORTRAN
CONTACT: B.E.BARKER,COMPUTER CENTRE,LEICESTER POLYTECHNIC,P.O.BOX 143
LEICESTER LE1 9BH TEL 0533 50181

<R 377>
NAME: B00205
AUTHOR: GRAHAM JOLLEY
DESCRTN: LINEAR PHASED ARRAY ANTENNA DESIGN
SUBJECT: ENGINEERING
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: B.E.BARKER,COMPUTER CENTRE,LEICESTER POLYTECHNIC,P.O.BOX 143
LEICESTER LE1 9BH TEL 0533 50181

<R 29>
NAME: LAMTU1.PH
AUTHOR:
DESCRTN: CALCULATES PIPELINE FLOW PARAMETERS FOR STREAMLINE AND TURBULENT CONDITIONS
SUBJECT: M.SC.IN FLOW MEASUREMENT
DOCS: PROGRAM LISTING,STUDENT NOTES,SAMPLE RUN AND PAPER TAPE COPY
COMMENT: ENGINEERING DESIGN TOOL EFFECTIVELY
LANG: BASIC
CONTACT: DR.TERRY HINTON,PHYSICS DEPT.,UNIVERSITY OF SURREY, GUILDFORD,SURREY. TEL 0483 71281

<R 76>
NAME: TEACH ESP10
AUTHOR:
DESCRTN: COMPUTER AIDED STUDIES IN FLUID FLOW AND HEAT TRANSFER
SUBJECT: MECHANICAL ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.A.D.GOSMAN,DEPT OF MECH.ENG.IMPERIAL COLLEGE, EXHIBITION ROAD,LONDON,SW7 2BX,TEL 01 589 5111 X 2424

<R 77>
NAME: TEACH-B B1
AUTHOR:
DESCRTN: LAMINAR BOUNDARY LAYER FLOWS
SUBJECT: MECHANICAL ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.A.D.GOSMAN,DEPT OF MECH.ENG.IMPERIAL COLLEGE, EXHIBITION ROAD,LONDON,SW7 2BX,TEL 01 589 5111 X 2424

<R 78>
NAME: TEACH-B B2
AUTHOR:
DESCRTN: TURBULENT BOUNDARY LAYER FLOWS
SUBJECT: MECHANICAL ENGINEERING DEGREE LEVEL
DOCS: DOCUMENTATION IN PREPARATION
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.A.D.GOSMAN,DEPT OF MECH.ENG.IMPERIAL COLLEGE, EXHIBITION ROAD,LONDON,SW7 2BX,TEL 01 589 5111 X 2424

<R 79>
NAME: TEACH-C C1
AUTHOR:
DESCRTN: 1-D,UNSTEADY HEAT CONDUCTION
SUBJECT: MECHANICAL ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: BASIC
CONTACT: DR.A.D.GOSMAN,DEPT OF MECH.ENG.IMPERIAL COLLEGE, EXHIBITION ROAD,LONDON,SW7 2BX,TEL 01 589 5111 X 2424

<R 80>
NAME: TRACH-C C2
AUTHOR:
DESCRTN: 2-D HEAT CONDUCTION
SUBJECT: MECHANICAL ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.A.D.GOSMAN,DEPT OF MECH.ENG.IMPERIAL COLLEGE,
EXHIBITION ROAD,LONDON,SW7 2BX,TEL 01 589 5111 X 2424

<R 81>
NAME: TRACH-C C3
AUTHOR:
DESCRTN: IRROTATIONAL FLOW
SUBJECT: MECHANICAL ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.A.D.GOSMAN,DEPT OF MECH.ENG.IMPERIAL COLLEGE,
EXHIBITION ROAD,LONDON,SW7 2BX,TEL 01 589 5111 X 2424

<R 82>
NAME: TRACH-C C4
AUTHOR:
DESCRTN: FULLY DEVELOPED FLOW IN DUCTS
SUBJECT: MECHANICAL ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.A.D.GOSMAN,DEPT OF MECH.ENG.IMPERIAL COLLEGE,
EXHIBITION ROAD,LONDON,SW7 2BX,TEL 01 589 5111 X 2424

<R 83>
NAME: TRACH-C C5
AUTHOR:
DESCRTN: HEAT TRANSFER IN FULLY DEVELOPED FLOW DUCTS
SUBJECT: MECHANICAL ENGINEERING DEGREE LEVEL
DOCS: DOCUMENTATION IN PREPARATION
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.A.D.GOSMAN,DEPT OF MECH.ENG.IMPERIAL COLLEGE,
EXHIBITION ROAD,LONDON,SW7 2BX,TEL 01 589 5111 X 2424

<R 84>
NAME: TRACH-C C6
AUTHOR:
DESCRTN: HEAT TRANSFER IN DEVELOPING FLOW IN DUCTS
SUBJECT: MECHANICAL ENGINEERING DEGREE LEVEL
DOCS: DOCUMENTATION IN PREPARATION
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.A.D.GOSMAN,DEPT OF MECH.ENG.IMPERIAL COLLEGE,
EXHIBITION ROAD,LONDON,SW7 2BX,TEL 01 589 5111 X 2424

<R 85>
NAME: TEACH-C C7
AUTHOR:
DESCRTN: CONVECTIVE HEAT TRANSFER IN STAGNATION FLOW
SUBJECT: MECHANICAL ENGINEERING DEGREE LEVEL
DOCS: DOCUMENTATION IN PREPARATION
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.A.D.GOSMAN,DEPT OF MECH.ENG.IMPERIAL COLLEGE,
EXHIBITION ROAD,LONDON,SW7 2BX,TEL 01 589 5111 X 2424

<R 86>
NAME: TEACH-L L1
AUTHOR:
DESCRTN: VISCOUS STAGNATION FLOW
SUBJECT: MECHANICAL ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.A.D.GOSMAN,DEPT OF MECH.ENG.IMPERIAL COLLEGE,
EXHIBITION ROAD,LONDON,SW7 2BX,TEL 01 589 5111 X 2424

<R 87>
NAME: TEACH-L L2
AUTHOR:
DESCRTN: LAMINAR FLOW IN DUCTS WITH SUDDEN ENLARGEMENTS
SUBJECT: MECHANICAL ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.A.D.GOSMAN,DEPT OF MECH.ENG.IMPERIAL COLLEGE,
EXHIBITION ROAD,LONDON,SW7 2BX,TEL 01 589 5111 X 2424

<R 88>
NAME: LAB1 FSP89
AUTHOR:
DESCRTN: TRANSIENT 1-D HEAT FLOW CONDUCTION EXPERIMENT
SUBJECT: MECHANICAL ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.A.D.GOSMAN,DEPT OF MECH.ENG.IMPERIAL COLLEGE,
EXHIBITION ROAD,LONDON,SW7 2BX,TEL 01 589 5111 X 2424

<R 106>
NAME: STRESS
AUTHOR:
DESCRTN: UNDERSTANDING STRESS RESOLUTION
SUBJECT: MECHANICAL ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: BASIC
CONTACT: J.J.MATHEWS,DEPT OF APPLIED SCIENCE,THE QUEEN'S DRIVE,
EXETER,EX4 4QJ TEL 0392 77911

<R 388>
NAME: 888319,320,321 SUITE OF 3
AUTHOR:
DESCRTN: REYNOLD PIPE CALCULATION
SUBJECT: ENGINEERING
DOCS:
COMMENT:
LANG: FORTRAN
CONTACT: B.R.BARKER,COMPUTER CENTRE,LEICESTER POLYTECHNIC,P.O.BOX 143
LEICESTER LE1 9BH TEL 0533 50181

<R 15>
NAME: REACTIVITY CHANGES IN PRESSURISED WATER REACTORS (PWR)
AUTHOR:
DESCRTN: THIS PACKAGE INVESTIGATES THE VARIOUS CONTRIBUTIONS TO THE OVERALL REACTIVITY OF A PWR AND THE WAY IN WHICH THESE CONTRIBUTIONS, AND THEIR RELATIVE IMPORTANCE, VARY WITH TIME. THE INVESTIGATION CAN BE REPEATED FOR VARIOUS REACTOR SPECIFICATIONS.
SUBJECT: NUCLEAR ENGINEERING
DOCS:
COMMENT: UNDER DEVELOPMENT
LANG: FORTRAN
CONTACT: MR D.C.C. GIBBS, DEPT NUCLEAR SCIENCE AND TECHNOLOGY, ROYAL NAVAL COLLEGE, GREENWICH, LONDON, SE10 9NN TLF 01-858 2154 XT 188

<R 16>
NAME: NEUTRON MULTIPLICATION IN PWR'S
AUTHOR:
DESCRTN: THIS PACKAGE WILL INVESTIGATE THE STATE OF LIFE REACTIVITY OF A PWR AND ITS DEPENDENCE UPON REACTOR COMPOSITION.
SUBJECT: NUCLEAR ENGINEERING
DOCS:
COMMENT: UNDER DEVELOPMENT
LANG: FORTRAN
CONTACT: MR D.C.C. GIBBS, DEPT NUCLEAR SCIENCE AND TECHNOLOGY, ROYAL NAVAL COLLEGE, GREENWICH, LONDON, SE10 9NN TLF 01-858 2154 XT 188

<R 17>
NAME: PRINCIPLES OF REACTOR SHIELDING
AUTHOR:
DESCRTN: GRAPHICS PACKAGE ON SHIELDED PIPE CORE
SUBJECT: NUCLEAR ENGINEERING
DOCS:
COMMENT: UNDER DEVELOPMENT
LANG: FORTRAN
CONTACT: MR D.C.C. GIBBS, DEPT NUCLEAR SCIENCE AND TECHNOLOGY, ROYAL NAVAL COLLEGE, GREENWICH, LONDON, SE10 9NN TLF 01-858 2154 XT 188

<R 18>
NAME: FISSION PRODUCT POISONS AND THE END OF CORE LIFE.
AUTHOR:
DESCRTN: THIS PROGRAM IS INTENDED TO EXAMINE THE EFFECT THAT FISSION PRODUCT POISONS SAMARIUM AND XENON HAVE ON REACTOR BEHAVIOUR, PARTICULARLY TOWARDS THE END OF CORE LIFE.
SUBJECT: NUCLEAR ENGINEERING
DOCS:
COMMENT: UNDER DEVELOPMENT
LANG: FORTRAN
CONTACT: MR D.C.C. GIBBS, DEPT NUCLEAR SCIENCE AND TECHNOLOGY, ROYAL NAVAL COLLEGE, GREENWICH, LONDON, SE10 9NN TLF 01-858 2154 XT 188

<R 19>
NAME: REACTOR DYNAMICS
AUTHOR:
DESCRTN: THIS PACKAGE WILL INVESTIGATE THE RESPONSE OF A REACTOR TO A RAMP CHANGE IN REACTIVITY.
SUBJECT: NUCLEAR ENGINEERING
DOCS:
COMMENT: UNDER DEVELOPMENT
LANG: FORTRAN
CONTACT: MR D.C.C. GIBBS, DEPT NUCLEAR SCIENCE AND TECHNOLOGY, ROYAL NAVAL COLLEGE, GREENWICH, LONDON, SE10 9NR TLF 01-858 2154 XT 188

<R 20>
NAME: DIGITAL MODELLING
AUTHOR:
DESCRTN: A COMPLEX SUITE OF PROGRAMS FOR THE DIGITAL MODELLING OF NUCLEAR REACTOR CORES.
SUBJECT: NUCLEAR ENGINEERING
DOCS:
COMMENT: UNDER DEVELOPMENT
LANG: FORTRAN
CONTACT: MR D.C.C. GIBBS, DEPT NUCLEAR SCIENCE AND TECHNOLOGY, ROYAL NAVAL COLLEGE, GREENWICH, LONDON, SE10 9NR TLF 01-858 2154 XT 188

<R 61>
NAME: HOMOG RSP#1
AUTHOR:
DESCRTN: MULTIPLYING PROPERTIES OF A HOMOGENOUS MIXTURE
SUBJECT: NUCLEAR ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.P.R.SMITH,FACULTY OF ENGINEERING, CAT UNIT, QUEEN MARY COLLEGE, MILE END RD.,LONDON,E1 TEL 01 980 4811

<R 62>
NAME: CRASH RSP#2
AUTHOR:
DESCRTN: CRITICALITY OF A REFLECTED SYSTEM
SUBJECT: NUCLEAR ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.P.R.SMITH,FACULTY OF ENGINEERING, CAT UNIT, QUEEN MARY COLLEGE, MILE END RD.,LONDON,E1 TEL 01 980 4811

<R 63>
NAME: BYTE RSP#3
AUTHOR:
DESCRTN: OPTIMISATION OF A FUEL-MODERATOR LATTICE
SUBJECT: NUCLEAR ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.P.R.SMITH,FACULTY OF ENGINEERING, CAT UNIT, QUEEN MARY COLLEGE, MILE END RD.,LONDON,E1 TEL 01 980 4811

<R 66>
NAME: RADPD 02984
AUTHOR:
DESCRIPTN: OPTIMISATION OF RADIAL PORM FACTOR
SUBJECT: NUCLEAR ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.P.R.SMITH,FACULTY OF ENGINEERING, CAT UNIT, QUEEN
MARY COLLEGE, MILE END RD.,LONDON,E1 TEL 01 980 4811

<R 65>
NAME: GIRNS 02913
AUTHOR:
DESCRIPTN: TEMPERATURE DISTRIBUTION IN A GAS COOLED REACTOR CHANNEL
SUBJECT: NUCLEAR ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.P.R.SMITH,FACULTY OF ENGINEERING, CAT UNIT, QUEEN
MARY COLLEGE, MILE END RD.,LONDON,E1 TEL 01 980 4811

<R 64>
NAME: CRMKOD 02915
AUTHOR:
DESCRIPTN: CRITICAL SIZE CALCULATION
SUBJECT: NUCLEAR ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.P.R.SMITH,FACULTY OF ENGINEERING, CAT UNIT, QUEEN
MARY COLLEGE, MILE END RD.,LONDON,E1 TEL 01 980 4811

<R 67>
NAME: BURP 02917
AUTHOR:
DESCRIPTN: HOMOGENEOUS BURNABLE POISONS
SUBJECT: NUCLEAR ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.P.R.SMITH,FACULTY OF ENGINEERING, CAT UNIT, QUEEN
MARY COLLEGE, MILE END RD.,LONDON,E1 TEL 01 980 4811

<R 68>
NAME: BRDMP 02919
AUTHOR:
DESCRIPTN: IDENTIFICATION OF FISSIONABLE NUCLIDES
SUBJECT: NUCLEAR ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: BASIC
CONTACT: DR.P.R.SMITH,FACULTY OF ENGINEERING,CAT UNIT,QUEEN
MARY COLLEGE, MILE END RD.,LONDON,E1 TEL 01 980 4811

<R 69>
NAME: REACT ESP27
AUTHOR:
DESCRTN: REACTOR KINETIC RESPONSE
SUBJECT: NUCLEAR ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.P.R.SMITH,FACULTY OF ENGINEERING,CAT UNIT,QUEEN MARY COLLEGE, MILE END RD.,LONDON,E1 TEL 01 980 4811

<R 70>
NAME: STATS ESP42
AUTHOR:
DESCRTN: STATISTICS OF COUNTING
SUBJECT: NUCLEAR ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.P.R.SMITH,FACULTY OF ENGINEERING,CAT UNIT,QUEEN MARY COLLEGE, MILE END RD.,LONDON,E1 TEL 01 980 4811

MISCELLANEOUS ENGINEERING

<R 59>
NAME: ISL ESP28
AUTHOR:
DESCRTN: INTERACTIVE SIMULATION LANGUAGE
SUBJECT: GENERAL ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.P.R.SMITH,FACULTY OF ENGINEERING,CAT UNIT,QUEEN MARY COLLEGE,MILE END RD.,LONDON,E1 TEL 01 980 4811

<R 60>
NAME: DYNS
AUTHOR:
DESCRTN: EQUATIONS OF MOTION
SUBJECT: GENERAL ENGINEERING DEGREE LEVEL
DOCS:
COMMENT:
LANG: FORTRAN 4
CONTACT: DR.P.R.SMITH,FACULTY OF ENGINEERING,CAT UNIT,QUEEN MARY COLLEGE,MILE END RD.,LONDON,E1 TEL 01 980 4811

<R 99>
NAME: BORE ESP50
AUTHOR:
DESCRTN: SIMULATION OF GEOLOGICAL BOREHOLE SURVEY
SUBJECT: ENGINEERING SCIENCE DEGREE LEVEL
DOCS:
COMMENT:
LANG: BASIC
CONTACT: J.J.MATHEWS,DEPT OF APPLIED SCIENCE,THE QUEEN'S DRIVE, EXETER,EX4 4QJ TEL 0392 77911

<R 100>
NAME: MULTI ESP51
AUTHOR:
DESCRTN: MULTI CHOICE LINK MODULE
SUBJECT: ENGINEERING SCIENCE DEGREE LEVEL
DOCS:
COMMENT:
LANG: BASIC
CONTACT: J.J.MATHEWS,DEPT OF APPLIED SCIENCE,THE QUEEN'S DRIVE, EXETER,EX4 4QJ TEL 0392 77911

<R 101>
NAME: RELAX ESP65
AUTHOR:
DESCRTN: SOLUTION TO LAPLACIAN FIELD PROBLEM BY RELAXATION METHOD
SUBJECT: ENGINEERING SCIENCE DEGREE LEVEL
DOCS:
COMMENT:
LANG: BASIC
CONTACT: J.J.MATHEWS,DEPT OF APPLIED SCIENCE,THE QUEEN'S DRIVE, EXETER,EX4 4QJ TEL 0392 77911

<R 105>
NAME: NAILT ESP52
AUTHOR:
DESCRTN: INTEGRATED NUMERICAL ANALYSIS AND TEACHING COURSE FOR ENGINEERS
SUBJECT: GENERAL ENGINEERING.
DOCS:
COMMENT:
LANG: BASIC
CONTACT: J.J.MATHEWS,DEPT OF APPLIED SCIENCE,THE QUEEN'S DRIVE, EXETER,EX4 4QJ TEL 0392 77911